

**IN THE CLAIMS**

Please cancel claims 1-11.

Please add the following claims:

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Claim 12. A hydrogenation catalyst of the formula  $AB(y)C(z)$  wherein A is a support selected from a salt of a Group II metal and the Group II metal is selected from the group consisting of magnesium, calcium and barium and the salt is selected from the group consisting of acetates, nitrates, and chlorides, B is Pt or Pd, y is 0.2 to 10%, C is nickel and z is 0 to 15.0% with the proviso that when B is Pt, z is 0.

61 Claim 13. A hydrogenation catalyst of the formula  $AB(y)C(z)$  wherein A is a support selected from a salt of a Group II metal and the Group II metal is selected from the group consisting of magnesium and barium and the salt is selected from the group consisting of acetates, nitrates, carbonates and chlorides, B is Pt or Pd, y is 0.2 to 10%, C is nickel and z is 0 to 15.0% with the proviso that when B is Pt, z is 0.

Claim 14. A hydrogenation catalyst of the formula  $AB(y)$  wherein A is a support selected from a salt of a Group II metal and the Group II metal is selected from the group consisting of magnesium, calcium and barium and the salt is selected from the group consisting of acetates, nitrates, carbonates and chlorides, B is Pt and y is 0.2 to 10%.

Claim 15. A hydrogenation catalyst of the formula  $AB(y)$  wherein A is a support of ZSM5-NH<sub>4</sub> and B is Pd where y is 0.2% to 10%.

Claim 16. The hydrogenation catalyst according to claim 15 wherein y is 1%.

01 Claim 17. A hydrogenation catalyst of the formula  $AB(y)C(z)$

wherein A is a support of ZSM5-NH<sub>4</sub> and B is Pd where y is 0.2% to 10%, C is nickel and z is greater than 0 to 15%.

Claim 18. The hydrogenation catalyst according to claim 17 wherein y is 1% and z is 10%.

Claim 19. The hydrogenation catalyst according to claim 13 being 1% Pd/MgCO<sub>3</sub>.

*β2* Claim 20. The hydrogenation catalyst according to claim 13 being 1% Pd/BaCO<sub>3</sub>.

Claim 21. The hydrogenation catalyst according to claim 13 being 1% Pt/MgCO<sub>3</sub>.

Claim 22. The hydrogenation catalyst according to claim 14 being 1% Pt/CaCO<sub>3</sub>.

Claim 23. The hydrogenation catalyst according to claim 14 being 1% Pt/BaCO<sub>3</sub>.